

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-18. (canceled).

19. (original): A method of producing an elastic plate for an ink jet recording head, comprising the steps of:

laminating and bonding a polymer film and a rolled metal plate to form a base member;
and

etching said rolled metal plate based on a rolling direction of said rolled metal plate being perpendicular to a long side of an elastic plate, thereby forming a through hole serving as an elastically deformable region.

20. (original): A method of producing an elastic plate for an ink jet recording head, comprising the steps of:

laminating and bonding a polymer film which has undergone an annealing process, and a rolled metal plate to form a base member; and

etching said rolled metal plate based on a rolling direction of said rolled metal plate being perpendicular to a long side of an elastic plate, thereby forming a through hole serving as an elastically deformable region.

21. (original): A method of producing an elastic plate for an ink jet recording head, comprising the steps of:

laminating and bonding a metal plate which is elastically deformable, and a rolled metal plate via an adhesive agent layer having an etching resistance; and

etching said rolled metal plate based on a rolling direction of said rolled metal plate being perpendicular to a long side of an elastic plate, thereby forming a through hole serving as an elastically deformable region.

22. (original): A method of producing an elastic plate for an ink jet recording head, wherein a through hole is formed based on a rolling direction of said rolled metal plate being perpendicular to a long side of an elastic plate, and said rolled metal plate is bonded to a metal plate which is elastically deformable, via an adhesive agent layer.

Claims 23-30. (canceled).

31. (new): A method of producing an elastic plate for an ink jet recording head, comprising:

(a) laminating one of a polymer film and an elastic metal plate on a rolled metal plate; and

(b) etching said rolled metal plate based on a rolling direction of said rolled metal plate to form a through hole serving as an elastically deformable region,
wherein said rolling direction is perpendicular to a long side of said elastic plate.

32. (new): The method as claimed in claim 31, wherein operation (a) comprises laminating said polymer film on said rolled metal plate.

33. (new): The method as claimed in claim 31, wherein operation (a) comprises laminating said elastic metal plate on said rolled metal plate.

34. (new): The method as claimed in claim 31, wherein operation (b) is performed after operation (a).

35. (new): The method as claimed in claim 31, wherein operation (a) comprises:
(a1) performing an annealing process on the polymer film;
(a2) subsequently laminating said polymer film on said rolled metal plate; and
(a3) subsequently bonding said polymer film to said rolled metal plate via a heating process.

36. (new): The method as claimed in claim 33, wherein operation (a) further comprises bonding said elastic metal plate to said rolled metal plate via an adhesive layer having an etching resistance.

37. (new): A method of producing an elastic plate for an ink jet recording head, comprising:

(a) laminating one of a polymer film and an elastic metal plate on a rolled metal plate; and

(b) etching said rolled metal plate based on a rolling direction of said rolled metal to form a plurality of elastically deformable regions,

wherein said rolling direction is perpendicular to a long side of said elastic plate.

38. (new): The method as claimed in claim 37, wherein the elastically deformable regions are arrayed perpendicularly to the rolling direction.

39. (new): The method as claimed in claim 37, wherein the elastically deformable regions are arrayed parallel to the rolling direction.